

PATENT CLAIMS

1. A method of manufacturing a filter element for use in connection with e.g. gas turbines and comprising a hollow outer insert in which a hollow inner insert is arranged centrally relative to the outer insert, said inserts comprising end edges to which a top flange is secured at one end, said inserts being stiffened by a net, c h a r a c t e r i z e d in that the net (6) is made by applying a liquid mass (5) to the outer and/or inner side of the filter element by means of one or more nozzles (4, 7), said nozzles (4, 7) being movable relative to the filter element (1).
2. A method of manufacturing a filter element according to claim 1, c h a r a c t e r i z e d in that, during the application of moulding mass (5) in one or more rings (8), one or more nozzles (4, 7) are stationary in the longitudinal direction of the filter element (1), while the filter element (1) rotates a number of rotations about its longitudinal axis, on which one or more nozzles (4, 7) oscillate with an oscillation greater than or equal to the distance between two rings (8) and smaller than or equal to the length of the filter element (1) for the application of connecting lines (9) between the rings (8).
3. A method of manufacturing a filter element according to claim 1 or 2, c h a r a c t e r i z e d in that the rings (8) of moulding mass (5) are applied such that they extend helically with one or more rings (8) along the outer and/or inner surface of the filter element (1).
4. A method of manufacturing a filter element according to claim 1 or 2, c h a r a c t e r i z e d in that one or more nozzles (4, 7) apply moulding mass (5) in rings (8) along the outer and/or inner surface of the filter element (1), said rings being arranged in planes essentially parallel with the end faces (10, 11) of the filter element.

5. A method of manufacturing a filter element according to claims 1 – 4,
c h a r a c t e r i z e d in that one or more nozzles (4) first apply moulding
mass (5) in rings (8), following which the filter element (1), during rotation
about its longitudinal axis, is moved to and fro in its longitudinal direction
5 with an oscillation greater than or equal to the distance between two rings
(8) and smaller than or equal to the length of the filter element (1) for the
application of connecting lines (9) between the rings (8).

6. A filter element manufactured by the method according to claims 1 – 5,
10 c h a r a c t e r i z e d in that the stiffening (6) of the filter element (1) is
formed by a solidified moulding mass (5).

7. A filter element according to claim 6, c h a r a c t e r i z e d in that the
filter element (1) is made of combustible materials.

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